

CLAIM AMENDMENTS

1-181. (Canceled)

182. (Currently amended) A method for detecting pregnancy in a bovine animal comprising:

- (a) obtaining a sample from said animal; and
- (b) detecting at least one pregnancy associated antigen (PAG) in the sample that is present early in pregnancy and is undetectable at about two months post-partum~~selected from the group consisting of BoPAG2, BoPAG4, BoPAG5, BoPAG6, BoPAG7, BoPAG9, boPAG 7v, boPAG9v, boPAG 15, boPAG 16, boPAG 17, boPAG 18, boPAG 19, boPAG 20 or boPAG 21;~~ whereby detection of the PAG indicates that the animal is pregnant.

183. (Previously presented) The method of claim 182, wherein said sample is selected from the group consisting of saliva, serum, blood, milk or urine.

184. (Previously presented) The method of claim 182, wherein said detecting comprises ELISA.

185. (Previously presented) The method of claim 182, wherein said detecting comprises RIA.

186. (Previously presented) The method of claim 182, wherein said detecting comprises Western blot.

187. (Previously presented) The method of claim 182, wherein detecting is carried out by immunologic detection.

188. (Previously presented) The method of claim 187, wherein immunologic detection comprises detection with polyclonal antisera.

25414281.1

189. (Previously presented) The method of claim 187, wherein immunologic detection comprises detection with a monoclonal antibody preparation.
190. (Previously presented) The method of claim 182, wherein detecting comprises RNA detection.
191. (Previously presented) The method of claim 182, further comprising detecting at least two PAGs in said sample.
192. (Previously presented) The method of claim 191, further comprising detecting at least three PAGs in said sample.
193. (Previously presented) The method of claim 184, wherein said ELISA is a sandwich ELISA comprising binding the PAG to a first antibody preparation fixed to a substrate and a second antibody preparation labeled with an enzyme.
194. (Previously presented) The method of claim 193, wherein said enzyme is alkaline phosphatase or horseradish peroxidase.
195. (Previously presented) The method of claim 193, wherein said first antibody preparation is monoclonal.
196. (Previously presented) The method of claim 193, wherein said first antibody preparation is polyclonal.